

IST 256
Exercises – Monday, March 8, 2010

1. Writing a program section

Suppose that we have a form with two textfields with names `textField1` and `textField2`. Write the code that takes an integer from the first textbox and assigns it to a variable called *number1* and the code that takes an integer from the second textbox and assigns it to a variable called *number2*. Then multiply the two numbers and assign the result to a variable called *product*. Be sure to show the variable declarations.

Suppose that the form also has a label named `label4`. Make `label4` have the text “big” if *product* is between 100 and 200, otherwise `label4` should say “small”.

2. Understanding Methods

a. Given the following program (a Java application):

```
public class Main {
    public static void main(String[] args) {
        int number = 10;
        for (int i = 0; i < 3; i++) {
            number = number + 1;
        }
        System.out.println(number);
    }
}
```

Write what will print as the output of the program:

b. Given the following program:

```
public class Main {  
  
    public static int returnNumber() {  
        int number = 0;  
        number = number + 5;  
        return number;  
    }  
  
    public static void main(String[] args) {  
        int value;  
        value = returnNumber();  
        System.out.println(value);  
    }  
}
```

Write what will print as the output of the program:

c. Given the following program:

```
public class Main {  
  
    public static int returnNumber(int n) {  
        int number = 0;  
        number = number + n;  
        return number;  
    }  
  
    public static void main(String[] args) {  
        int value, num = 10;  
        value= returnNumber(num);  
        System.out.println(value);  
    }  
}
```